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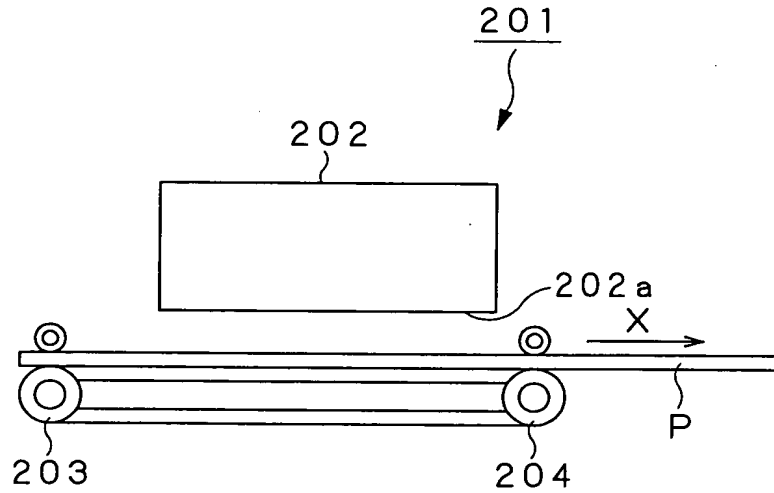


FIG. 1

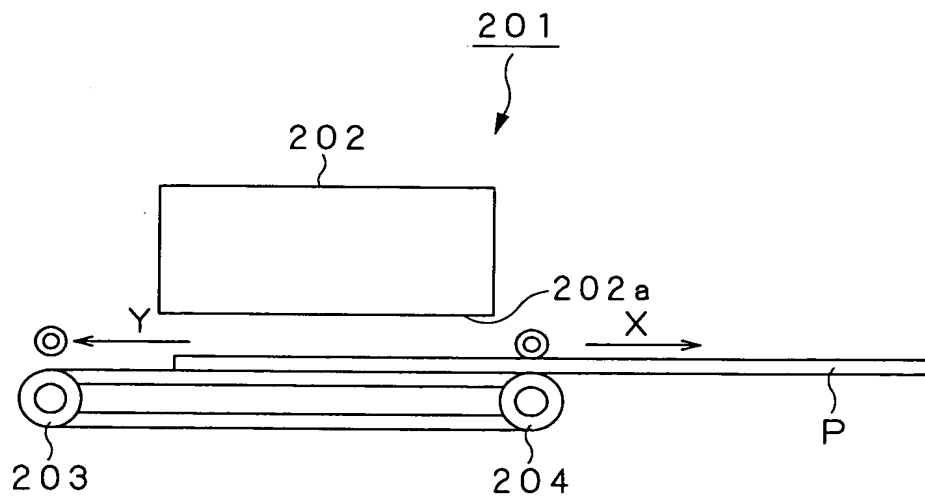


FIG. 2

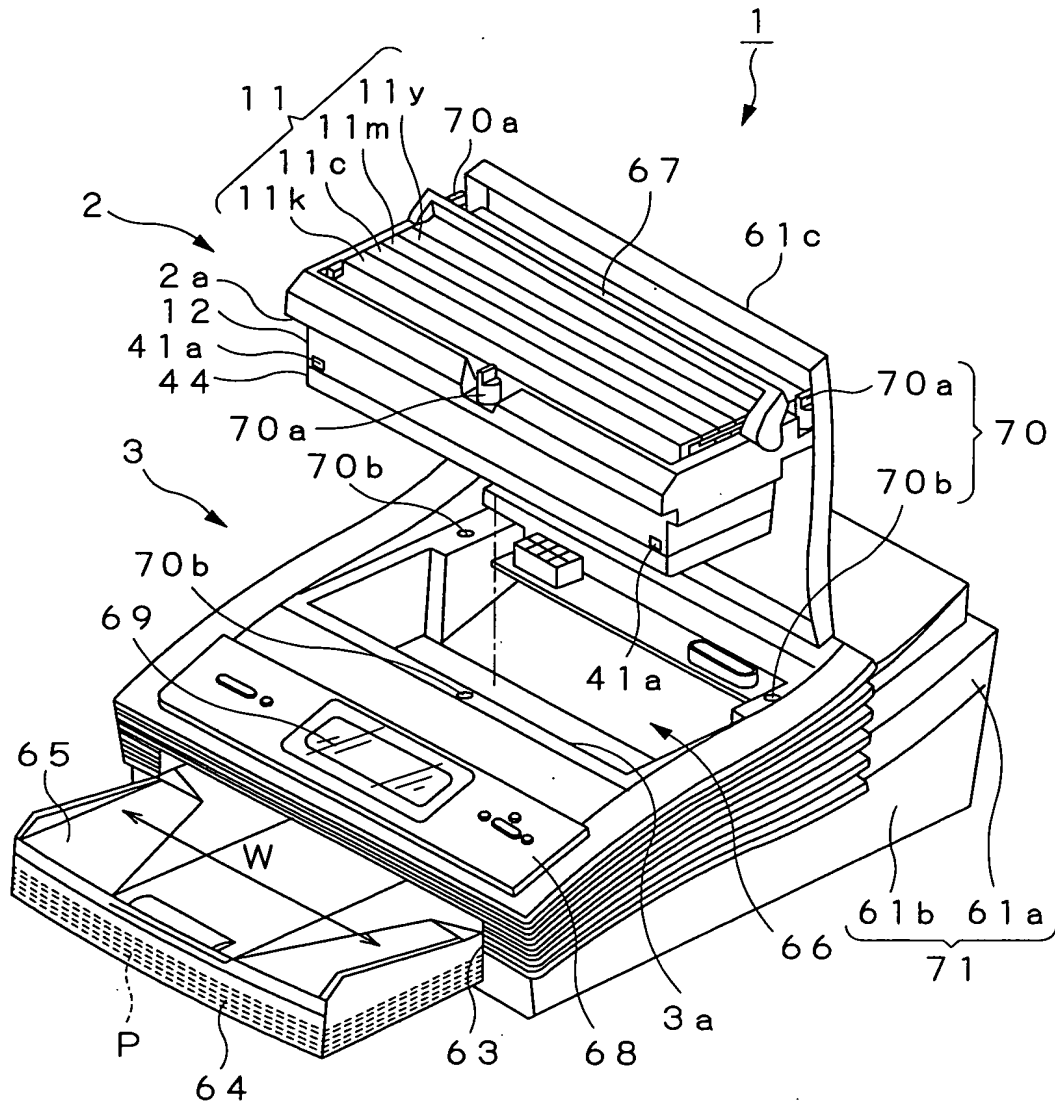
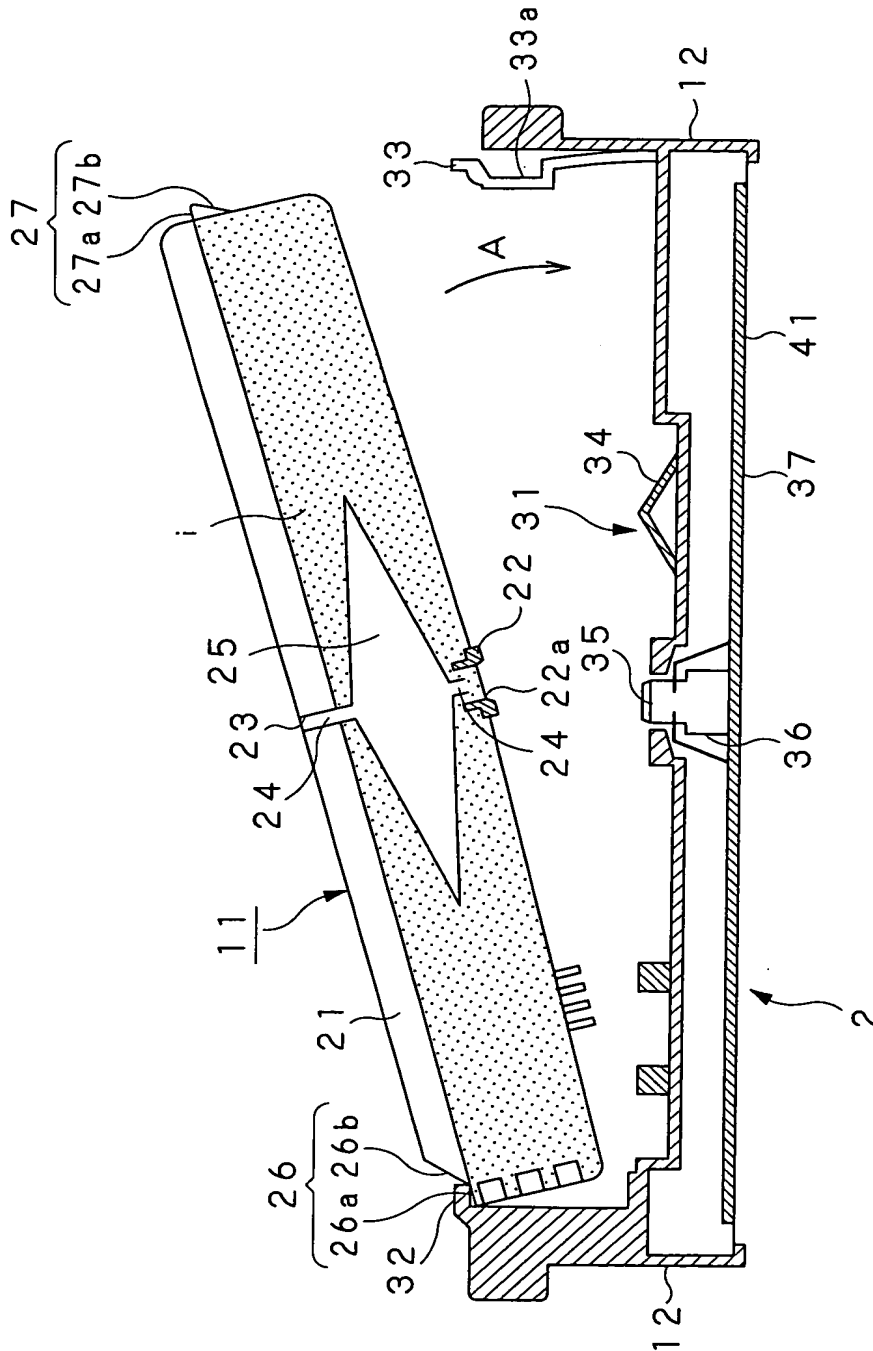


FIG. 3

FIG. 4

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**FIG. 5**

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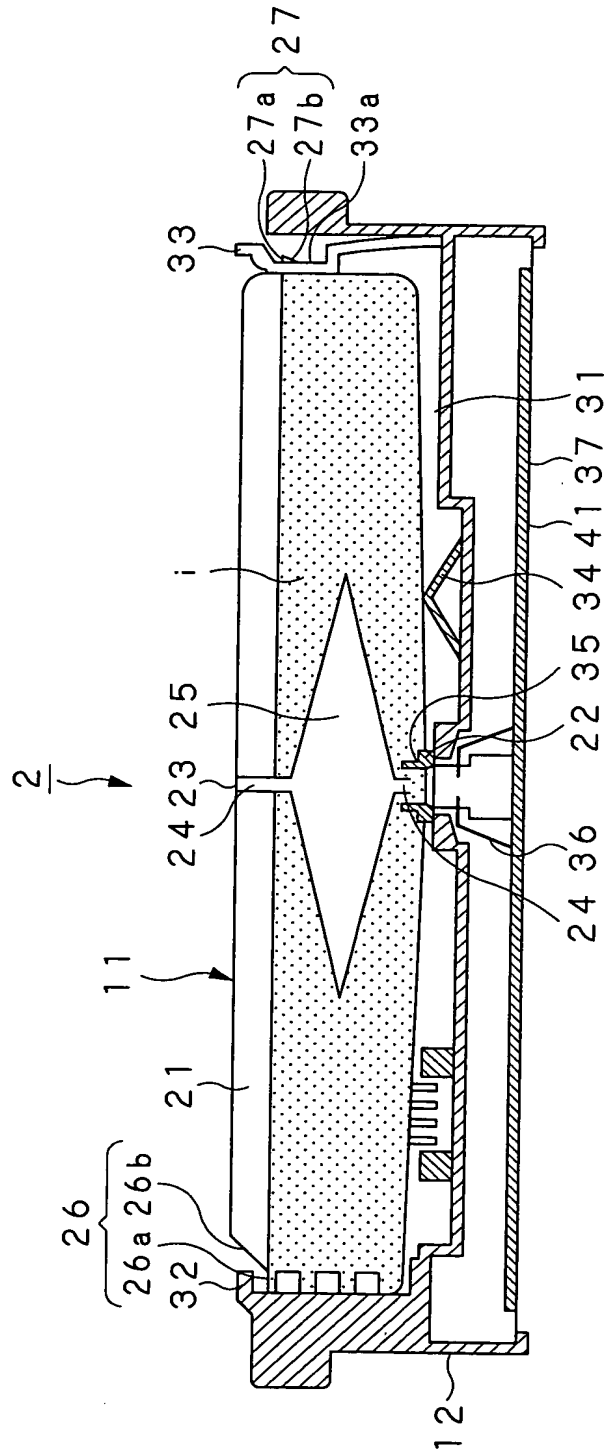


FIG. 6

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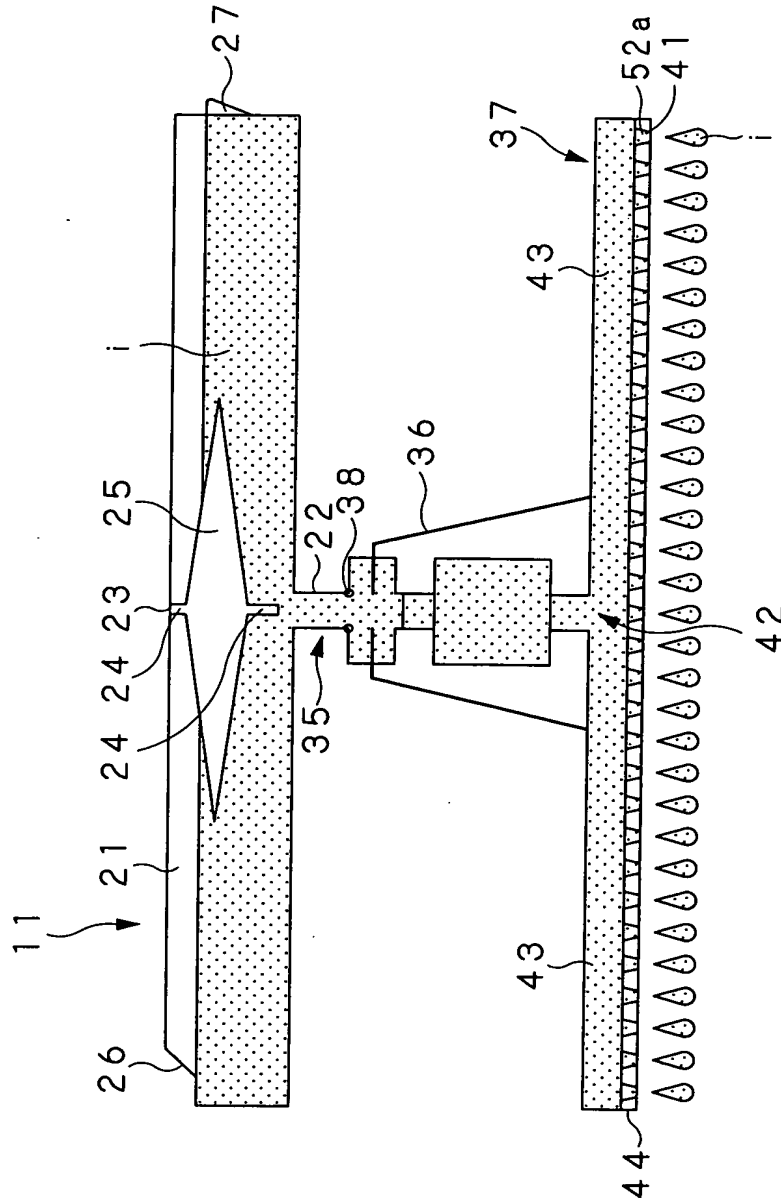


FIG. 7



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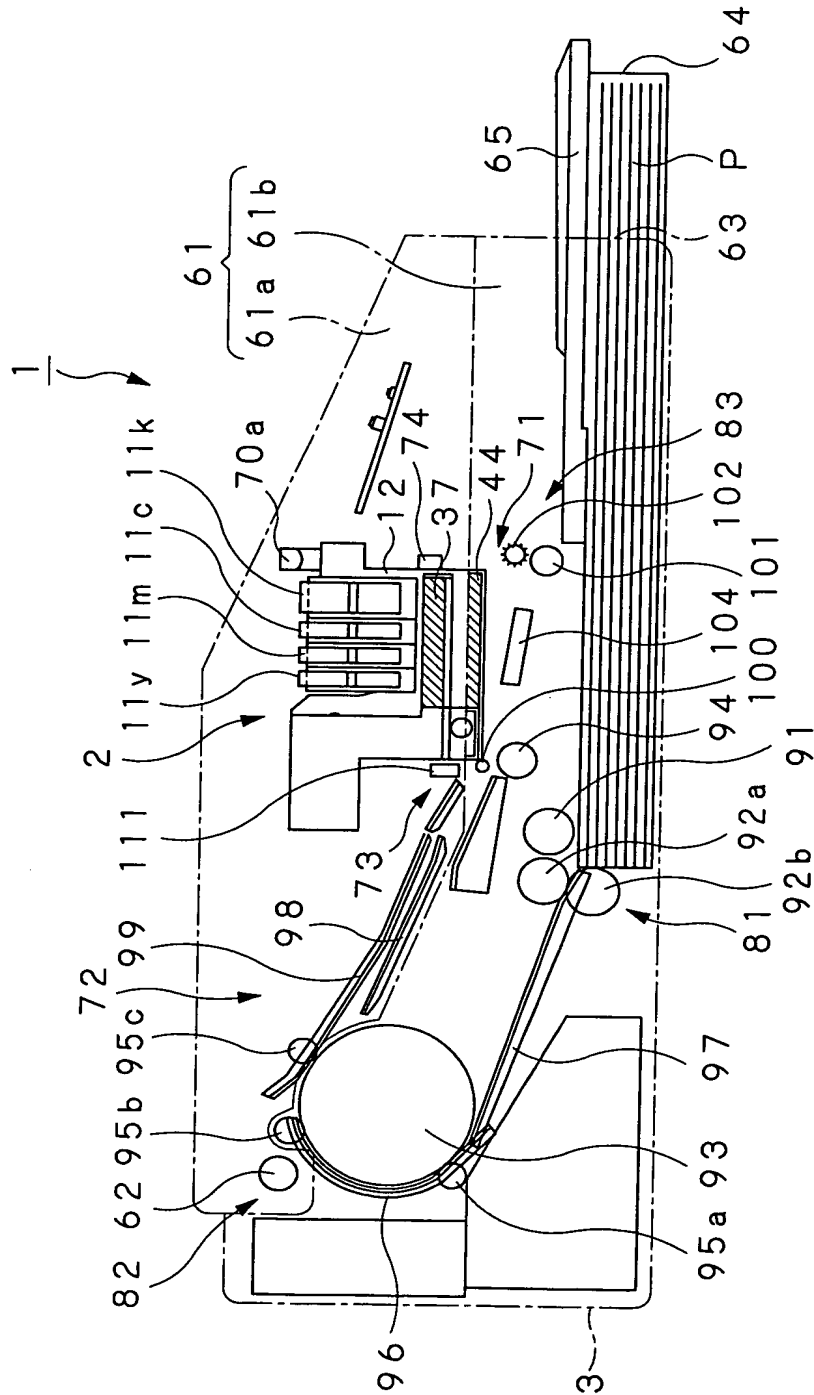


FIG. 10



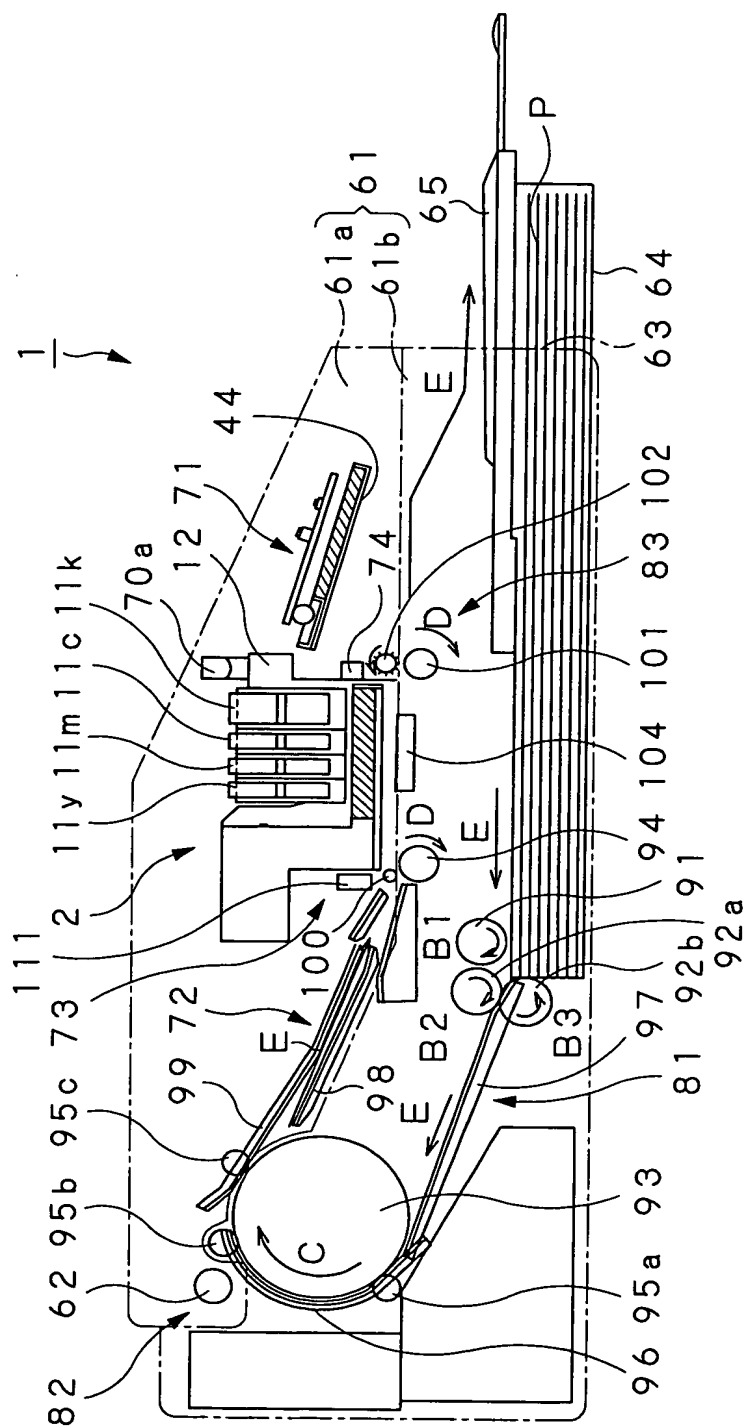


FIG. 11

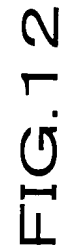
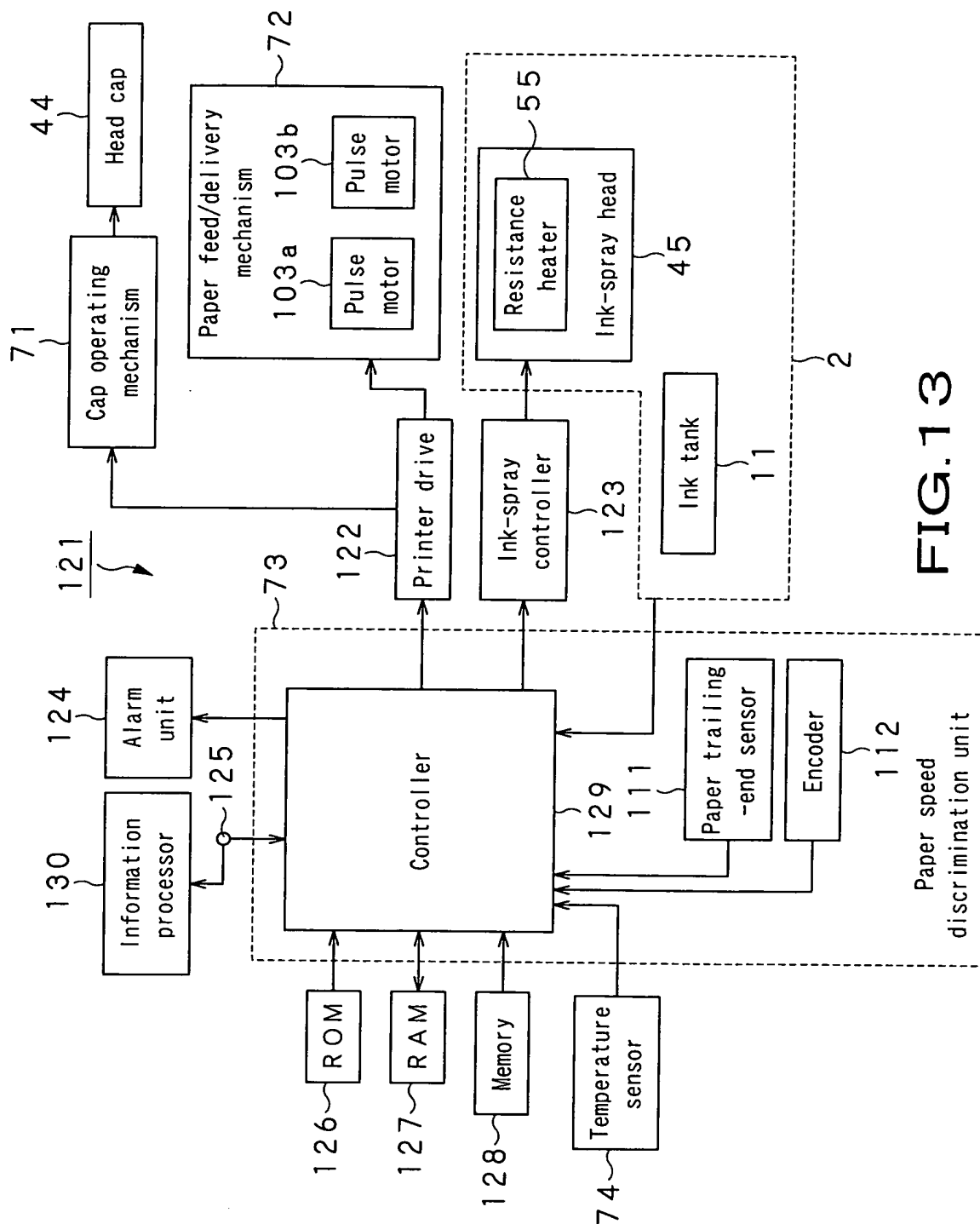


FIG. 12

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FIG. 14A

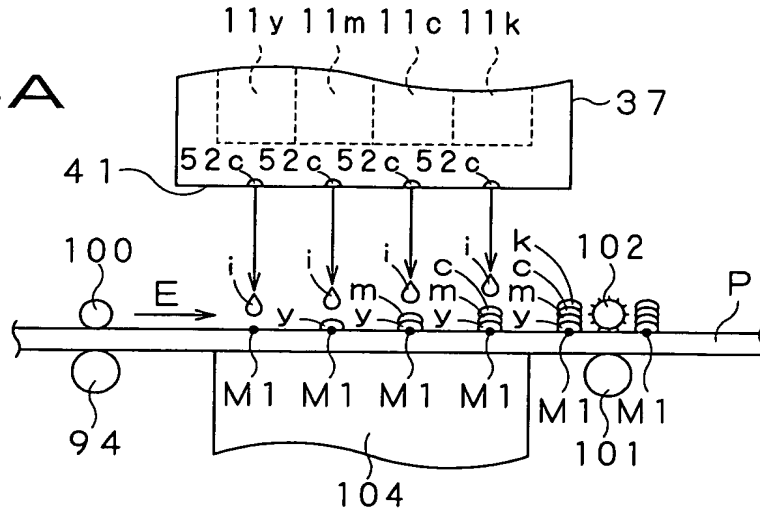


FIG. 14B

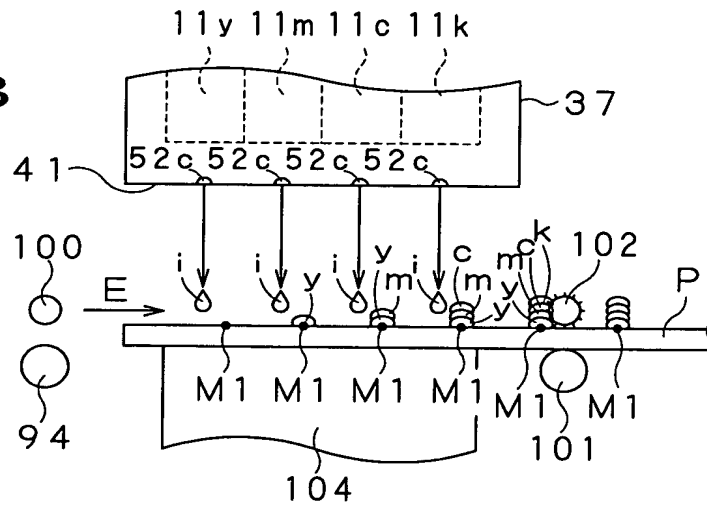
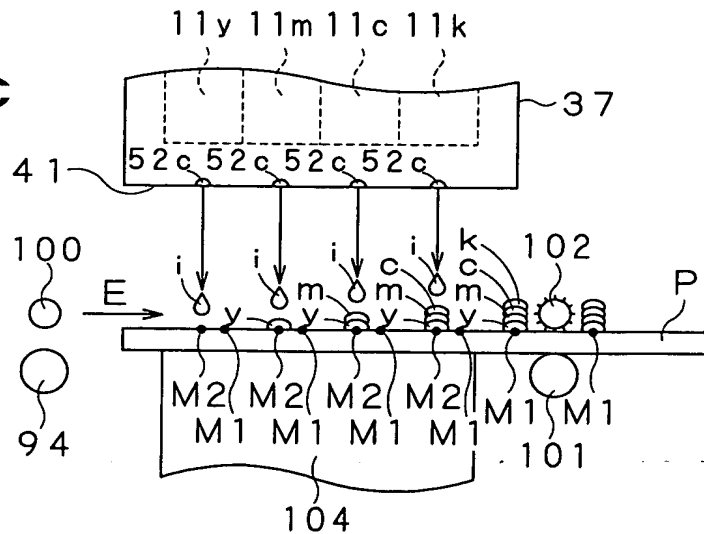


FIG. 14C



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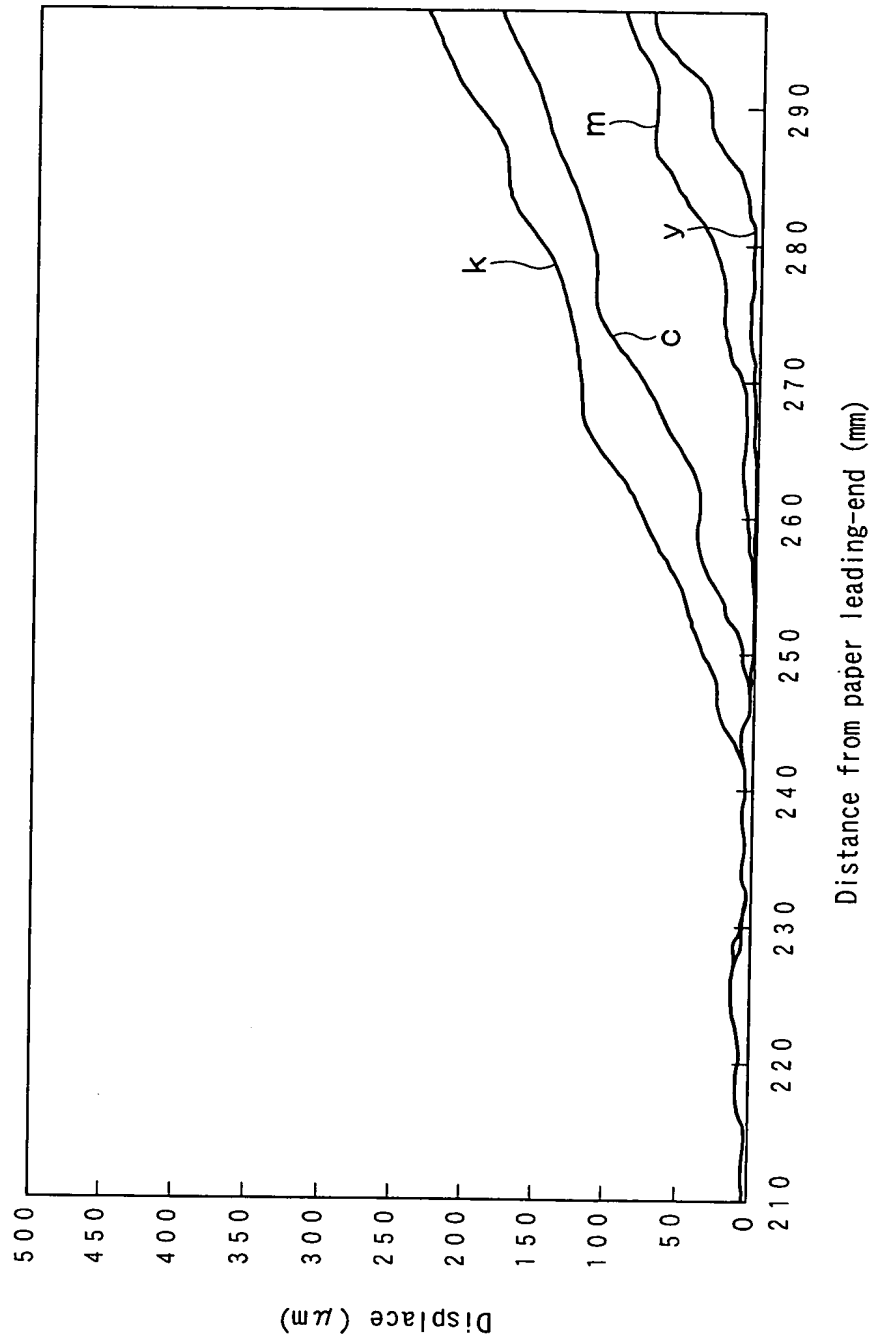


FIG. 15

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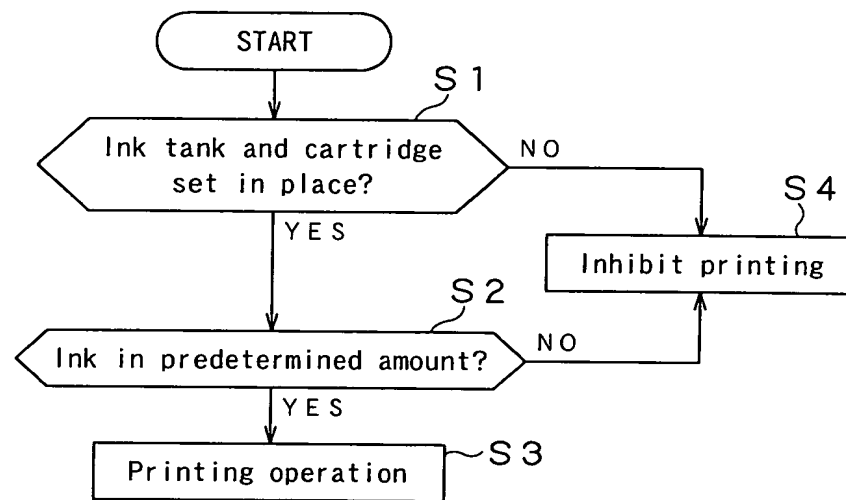


FIG. 16

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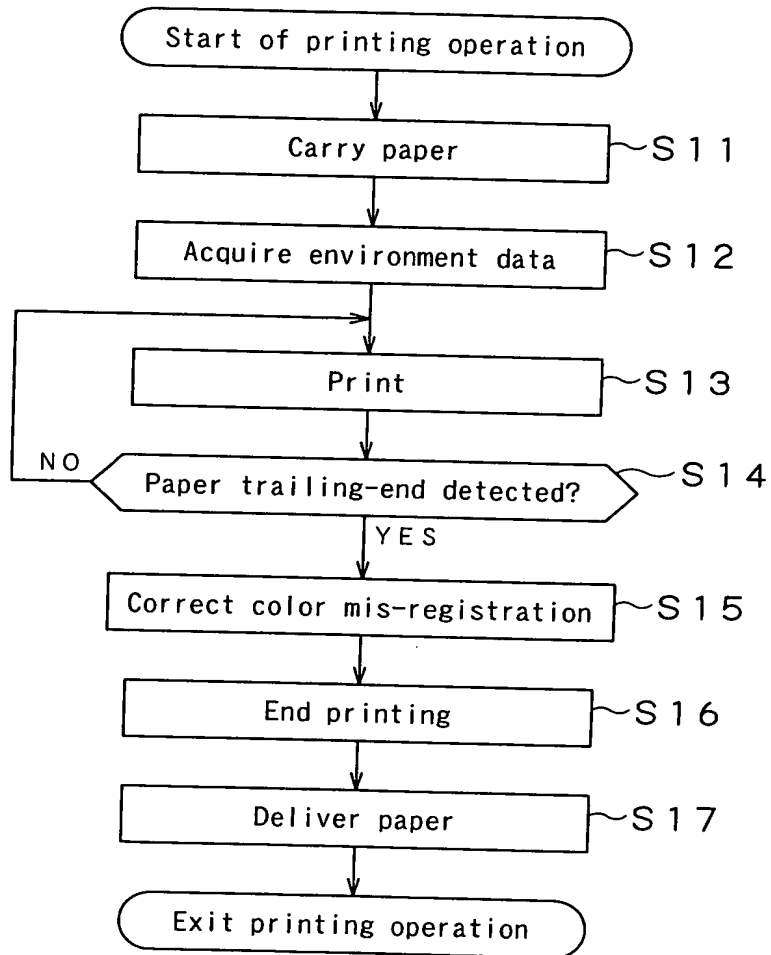


FIG. 17

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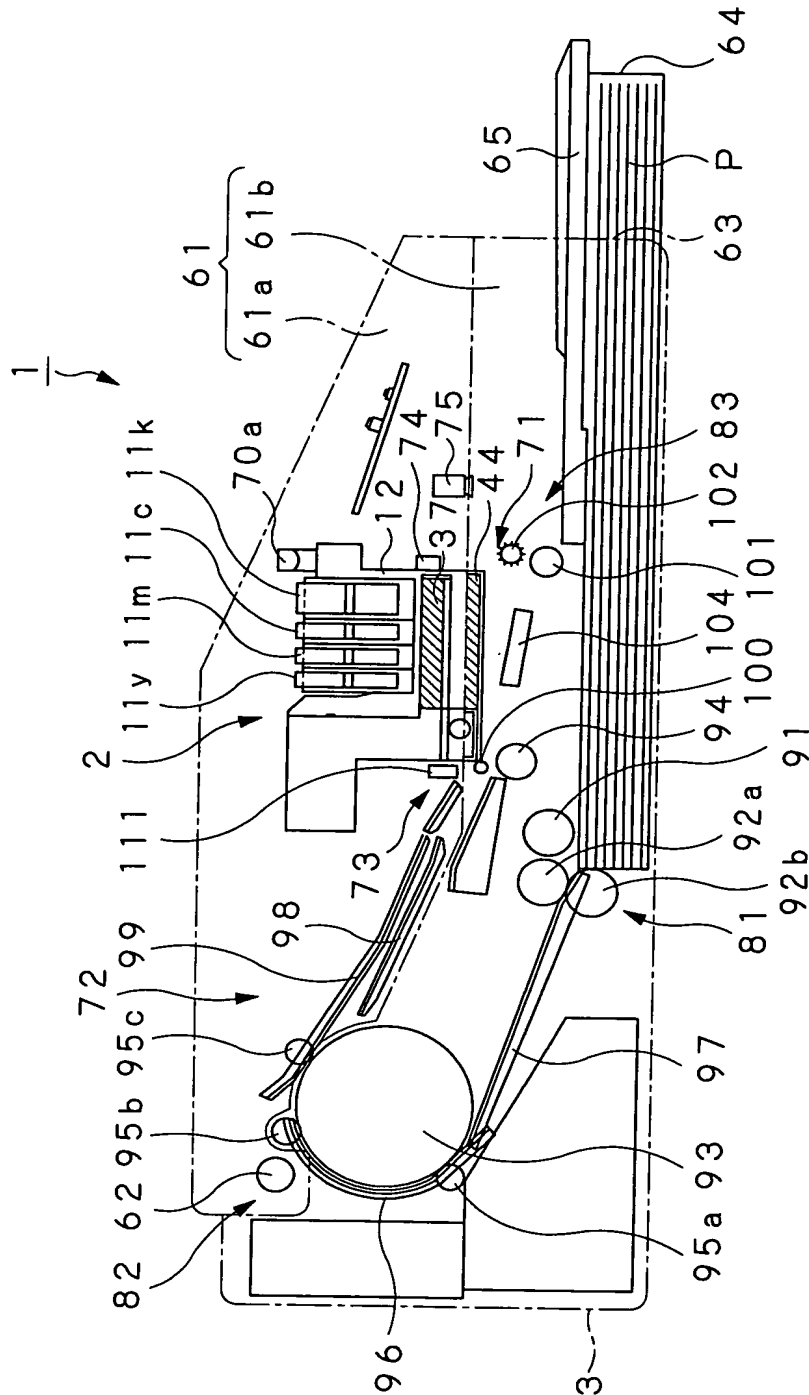


FIG. 18



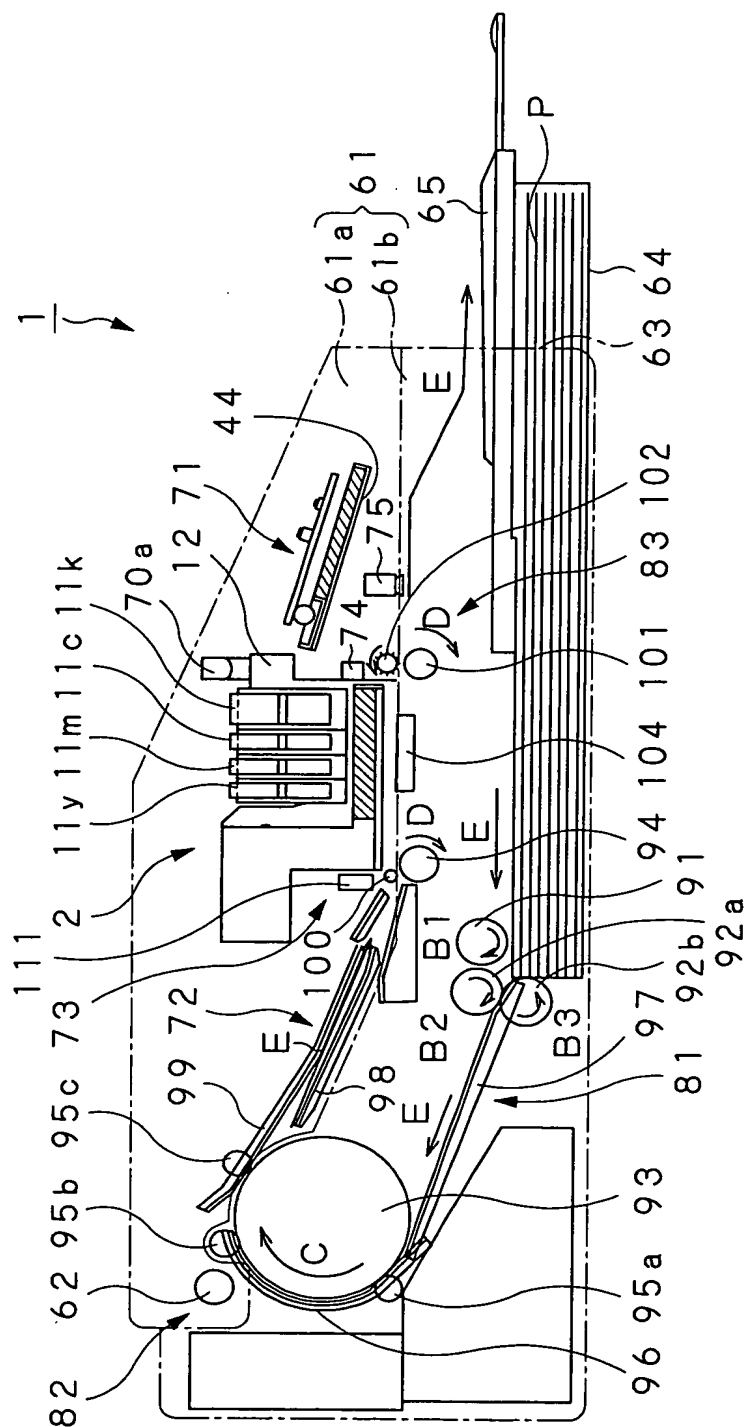
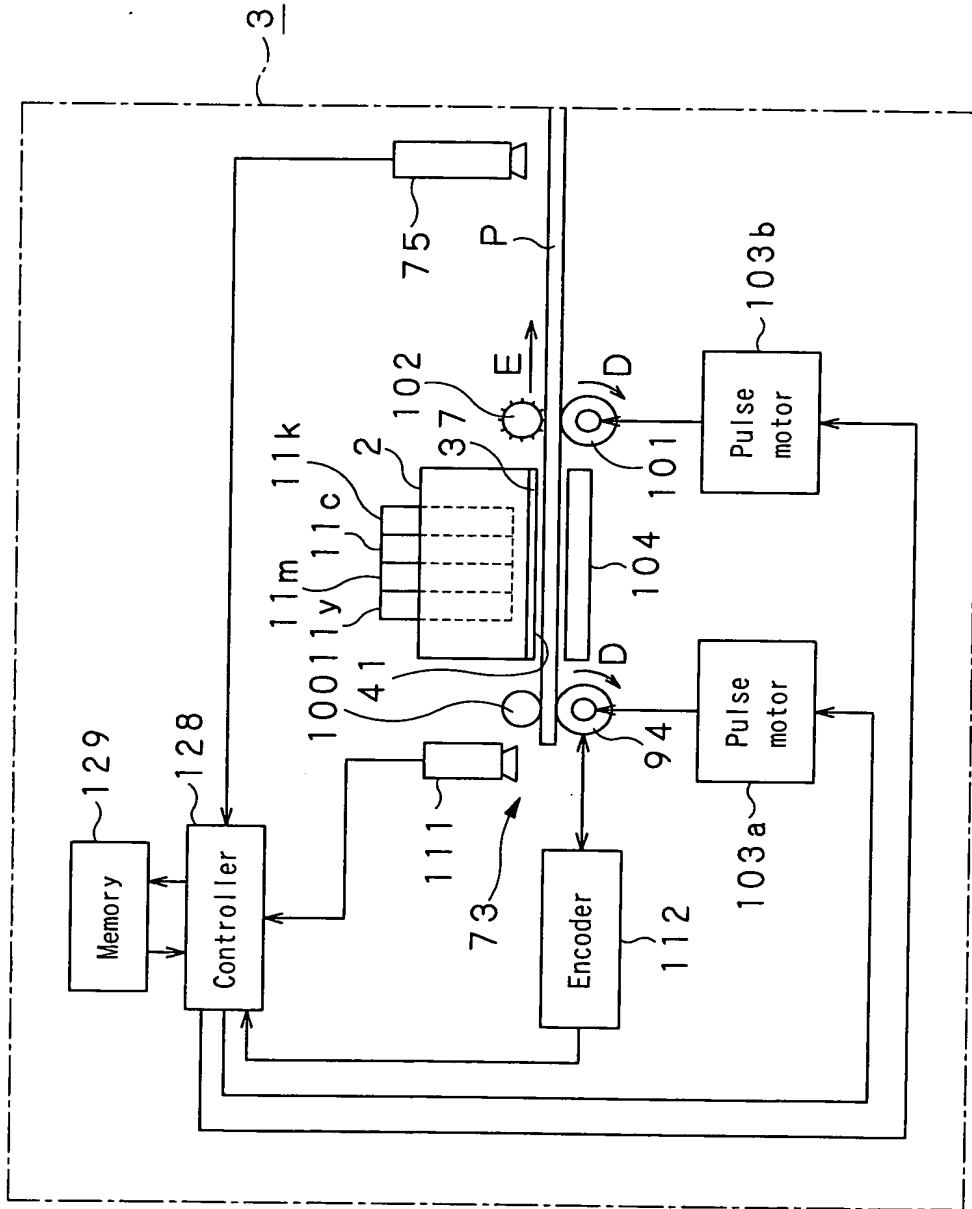


FIG. 19



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FIG. 21

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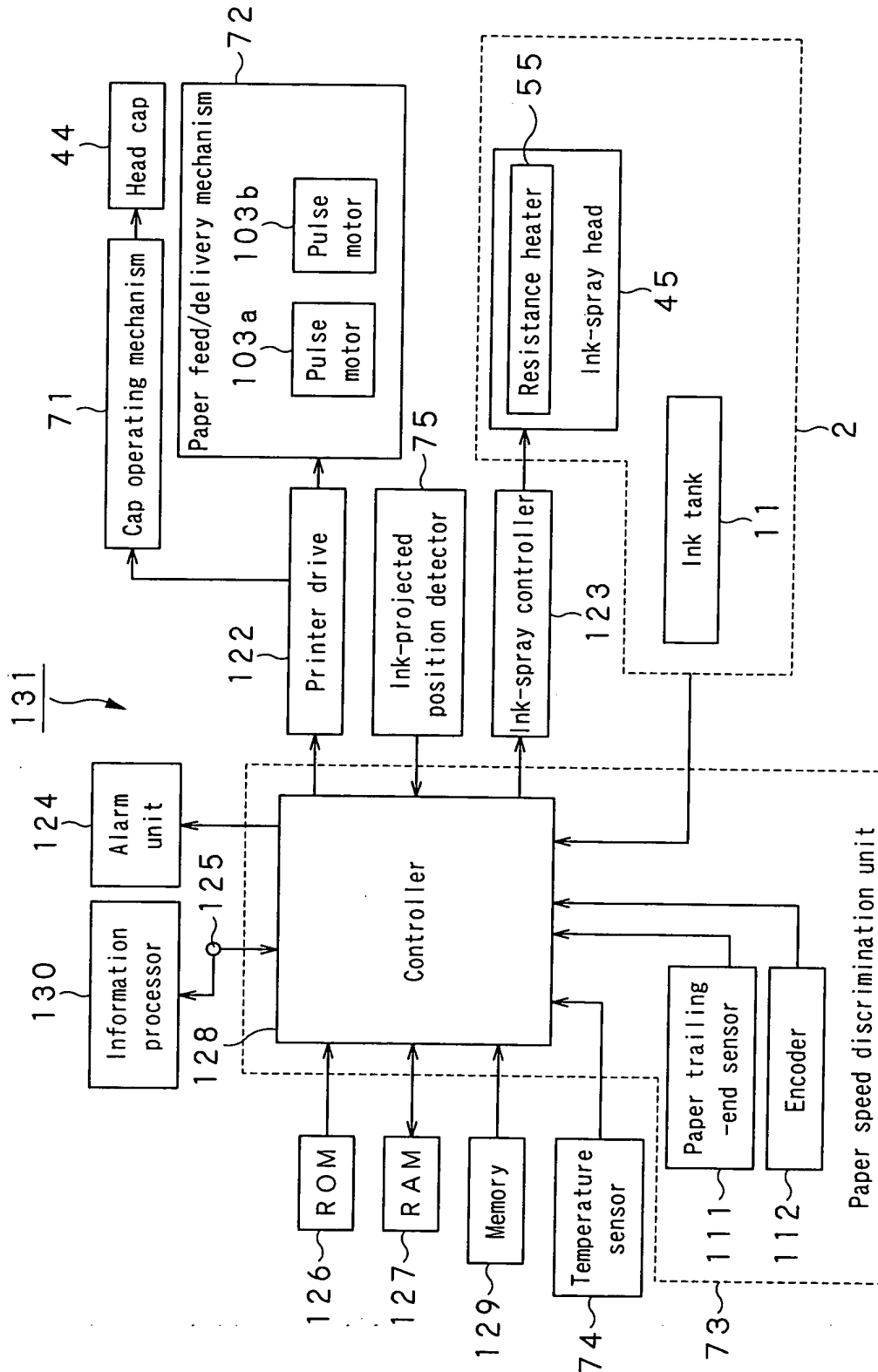


FIG.22

A schematic diagram of a magnetic head assembly. The main body is labeled 37. It features four vertical columns of magnetic elements labeled 52c, 52c, 52c, and 52c. Above these columns are labels 11y, 11m, 11c, and 11k respectively. Below the main body, there are four sets of magnetic elements labeled M1, M1, M1, and M1. To the right of these are two more sets of magnetic elements labeled M1 and M1. A horizontal line represents the disk surface, with various components labeled 94, 100, 101, 102, and P. An arrow labeled E indicates the direction of movement or signal flow.

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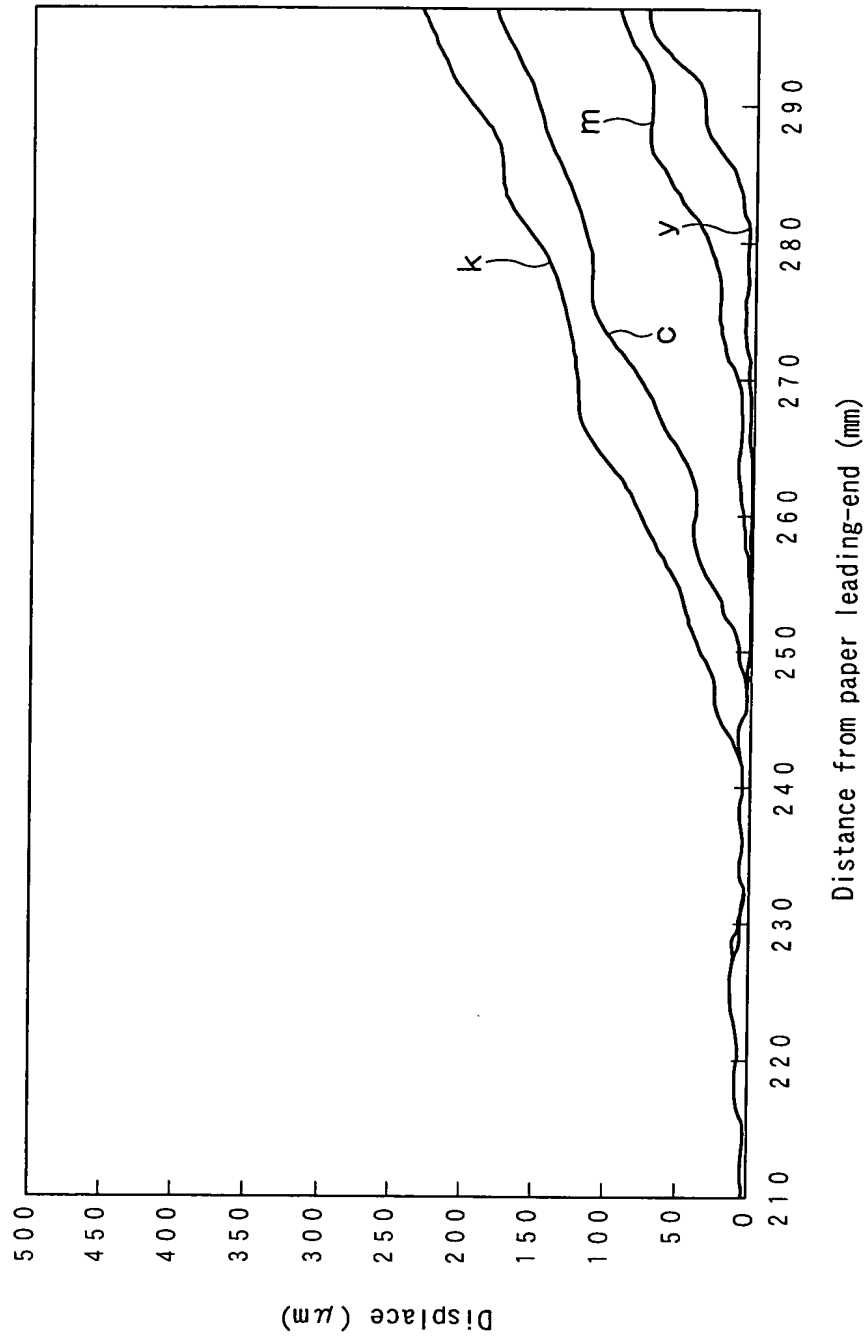


FIG.24

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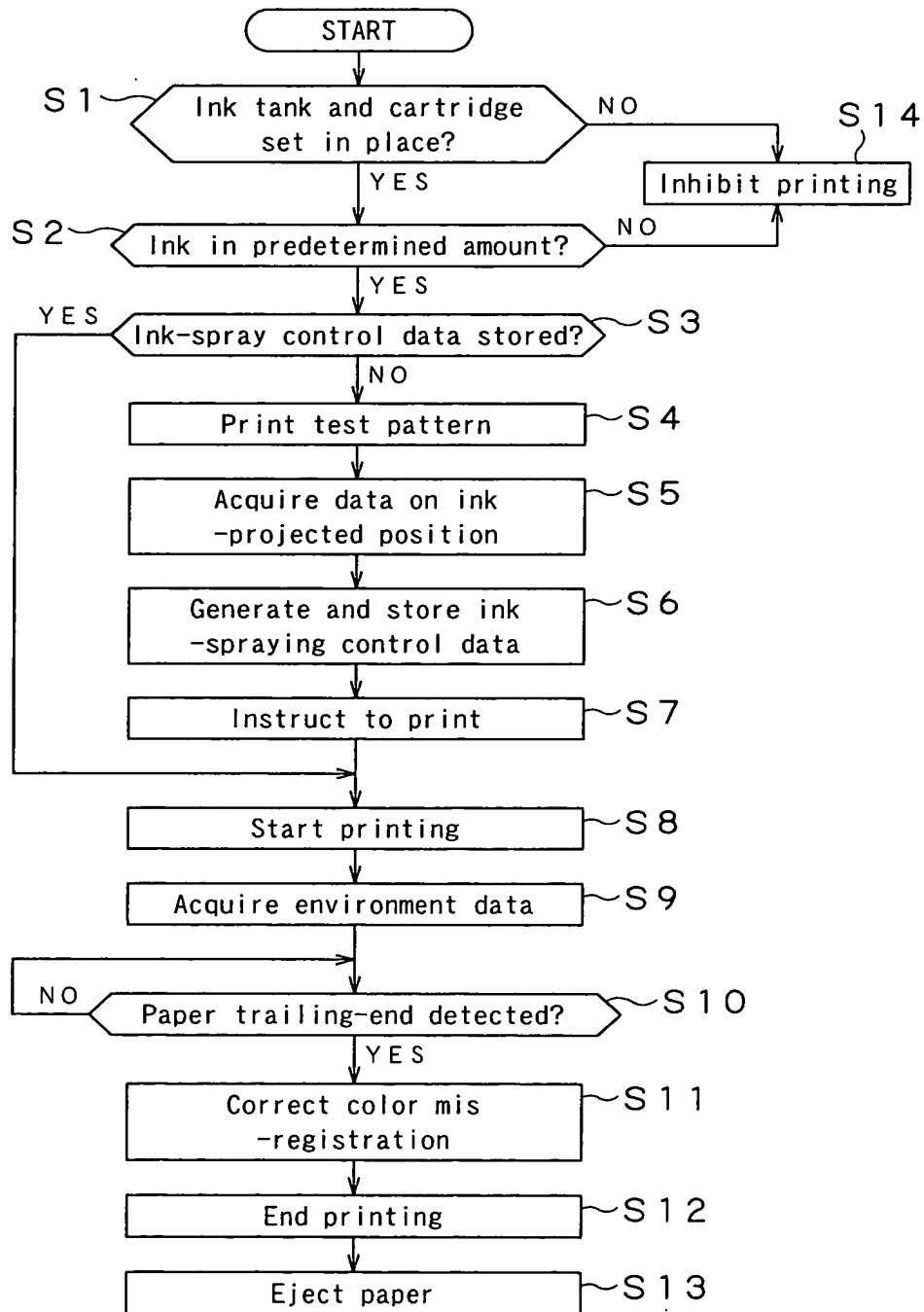


FIG. 25